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(GSIS)

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*Diabetes Mellitus and the Control of Cellular Energy Metabolism*

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Farzamib@sina.tums.ac.ir :

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<sup>3</sup> β-cell dysfunction

<sup>1</sup> Translocation

<sup>2</sup> Fuel Hypothesis

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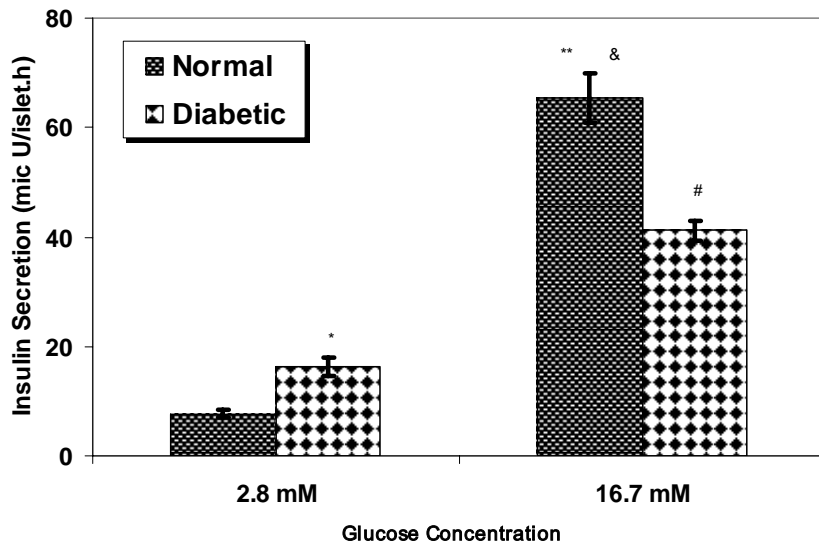
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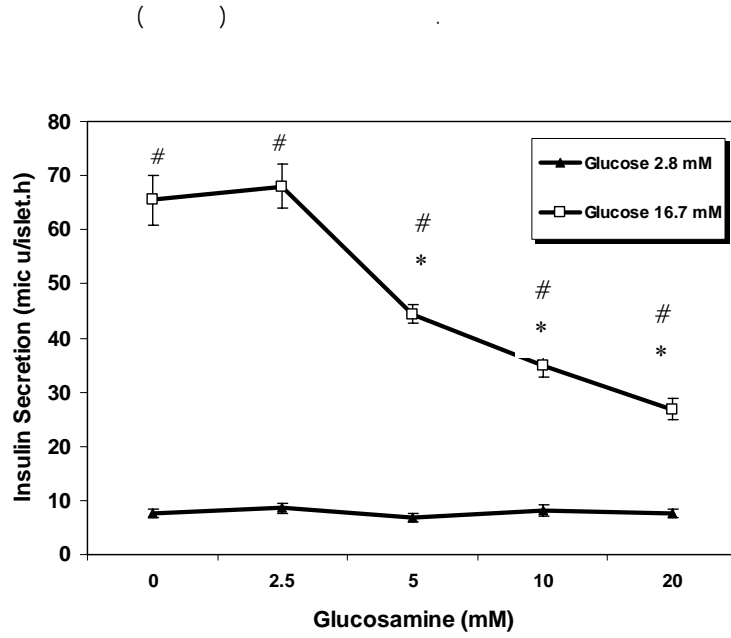
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<sup>1</sup> Rat

$\pm$   
 n . (Mean  $\pm$  SE)  
 SPSS / P-Value / ATP  
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 STZ

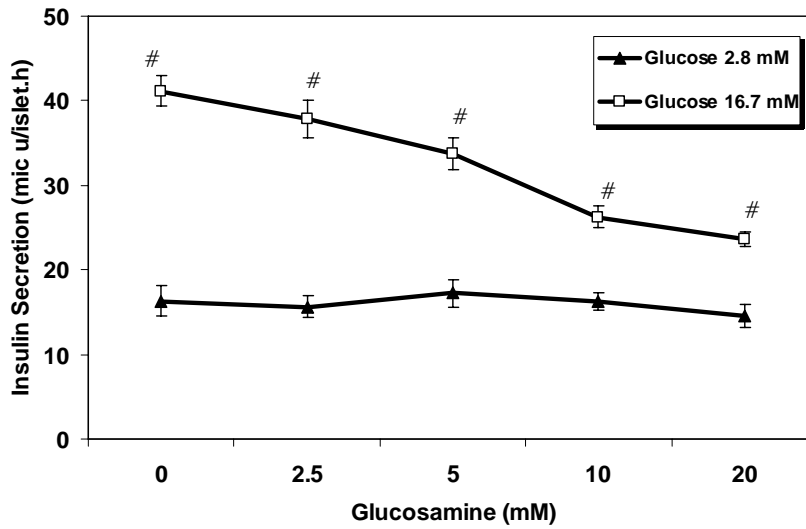


P< / \*\* .  
 P< / \* . n = n = . (Mean  $\pm$  SE)  
 / P< / # . /



(GSIS)

\* / + / P < / # . n = n = (Mean ± SE) (P < / )

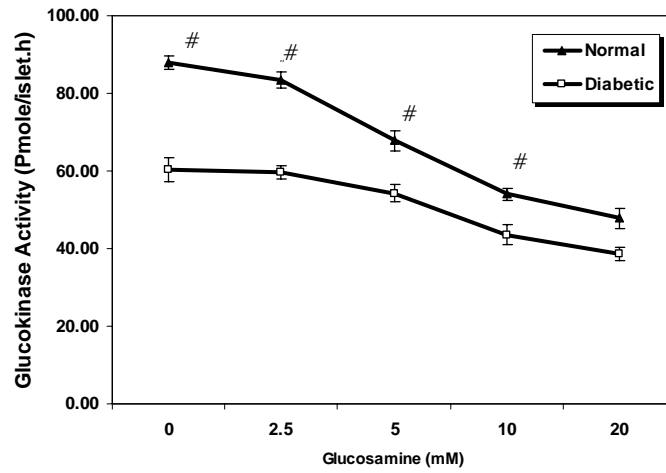


(GSIS)

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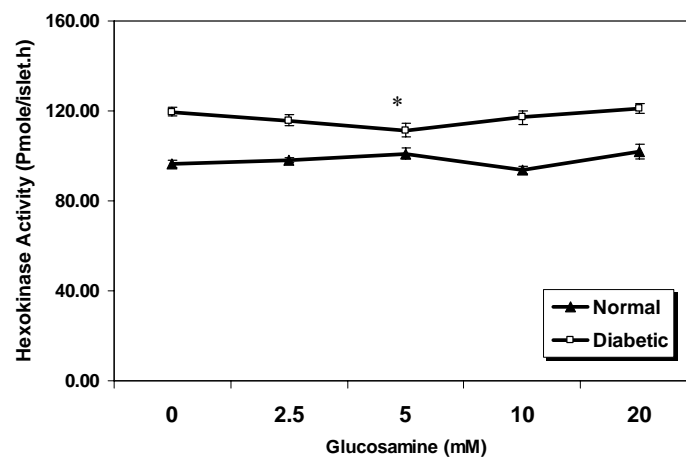
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 (GSIS)  
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 r = / )  
 ( r = / (P< / )



نمودار ۴- اثر غلظت‌های مختلف گلوکز آمین بر فعالیت گلوکوکیناز پانکراس در موش‌های صحرایی سالم و دیابتی

(P< / ) # n = n = (Mean ± SE)



نمودار ۵- اثر غلظت‌های مختلف گلوکز آمین بر فعالیت هگزوکیناز پانکراس در موش‌های صحرایی سالم و دیابتی

(Mean ± SE) \* n = n = (P> / )

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(P< / )

r = / )

( r = /

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<sup>1</sup> Dose-dependent



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(NIDDM=II

GSIS

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Overexpression

GKRP

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Km

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